PLANT PATENTS

JANUARY 1977 -- DECEMBER 1996



April 1997 U.S. PATENT AND TRADEMARK OFFICE OFFICE OF ELECTRONIC INFORMATION PRODUCTS/ TAF PROGRAM PK 3 - SUITE 441, WASHINGTON, DC 20231 TEL (703) 306-2600/ FAX (703) 306-2737

A TECHNOLOGY ASSESSMENT AND FORECAST REPORT

Plant Patents Report 1/1977 - 12/1996 Explanation of Data

This Technology Assessment and Forecast (TAF) Program Report profiles patent activity for U.S. plant patents (hereafter referred to as patents) granted between 1977 and December 1996. The source of the data used for this report is the TAF data base maintained by the Office of Electronic Information Products.

Data Distribution By Date of Grant and By Date of Application

Parts A1 and A2

Part A1 distributes patent GRANT data by year of patent grant ("Patents Granted By Date of Patent Grant"). Part A2 distributes grant data by the year in which the patented application was filed ("Patents Granted By Date of Patent Application"). Parts A1 and A2 each provide patent counts (pages A1-1 and A2-1) and percent distributions (pages A1-2 and A2-2).

Patent data in the "Pre 1983" column corresponds to the period January 1, 1977 through December 31, 1982.

Part B

Part B of this report distributes patent GRANT data for organizations that have received U.S. patents since 1977. Data are presented by the year in which the patent was granted ("Patents By Year of Grant") and the year the patented application was filed ("Patents by Year of Application").

DATA FOR THOSE APPLICATIONS WHICH WERE FILED BUT NEVER ISSUED (ROUGHLY 40% OF TOTAL FILINGS) ARE NOT INCLUDED IN THIS REPORT.

Since the average time period between filing for a patent and the issuing of the patent (i.e., a patent's "pendency") is now about 21 months, the patented application data for the most recent years are incomplete.* This is because a significant number of the applications filed in the most recent years, which will ultimately become patents, were still pending in December 1996. Since they had not yet become patents at the time this report was prepared, they were not included in this report.

Patented application data are of significant value since the date an application was filed more accurately reflects when the technology was developed. Additionally, fluctuations in data based on application date are much more likely to reflect changes in technological activity, since such fluctuations would for the most part be immune from changes in PTO processing such as occurred in 1986 when the PTO issued fewer patents than would normally have been expected due to a lack of funds to print patents. Note that a patent's "pendency" can be quite variable from one patent to another thereby affecting the date of

patent grant. Such variation in pendency is determined by many factors, including PTO workload (which varies between technologies), budget and manpower levels, patent printing schedules, etc.

Parts of the Report

Parts A1 and A2 present tables which show, by number and percent, the patent activity. Part A1 presents data by year of patent grant ("Patents Granted by Date of Patent Grant"). Part A2 redistributes grant data by year of patent application ("Patents Granted by Date of Patent Application"). The location of patent origin is determined by the residence of the first-named inventor at the time of grant.

Information on **patent ownership** reflects ownership at the time of patent grant and does not include subsequent changes in ownership. If more than one assignee was declared at the time of grant, the patent is attributed to the first-named assignee. The U.S. and Foreign Corporations ownership categories count predominantly corporate patents; however, patents assigned to other organizations such as small businesses, nonprofit organizations, universities, etc. are also included in this category. While U.S. Government patent ownership includes only patents granted to the Federal Government, no such distinction is made for Foreign Government patents.

Part B is a ranked listing of national and international organizations (i.e., corporations, universities, government agencies) which have received 3 or more U.S. plant patents since 1977. Data line 1 for each listed organization distributes counts of patent grants by year of grant. Data line 2 for each organization redistributes those same patent grants by year in which the patented application was filed. Information on patent ownership reflects ownership at the time of patent grant. Although a substantial effort has been made to combine name variations into a single organizational name, many organizations continue to have patents listed under more than one organizational name.

As of Dogombor 21, 1006, UTIL

^{*} As of December 31, 1996, UTILITY patent application data (most issued patent documents are utility patents) were approximately 93% complete for patent applications filed in 1993, 80% complete for applications filed in 1994, and 30% complete for applications filed in 1995. They are essentially complete for applications filed prior to 1993. Currently, completion percentages restricted to plant patents are not available.

Part A1 Patent Grants As Distributed By Year of Patent Grant

		Patents	Granted	By Da	ite Of	Patent	Grant (Granted:	Tan 01.	1967 -	Dec 31.	1996)					
		1 4 5 6 11 6 5	or arroca	2, 20	.00 01	1400110	orano (or arroca	oun or,	230,	200 31,	1,,,,,					
							NU	MBER OF	PATENTS								
	Pre 1983	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	Total	
Total	963	197	212	242	224	229	425	587	318	353	321	442	499	387	362	5761	
U.S. Origin	744	140	161	143	150	131	260	345	153	237	196	236	283	201	183	3563	
Foreign Origin	219	57	51	99	74	98	165	242	165	116	125	206	216	186	179	2198	
GERMANY	82	23	31	25	17	25	27	102	51	39	17	52	32	44	48	615	
NETHERLANDS	28	6	2	27	17	21	54	58	38	23	46	63	63	34	41	521	
FRANCE	23	7	1	22	16	6	32	24	34	21	13	22	16	16	18	271	
UNITED KINGDOM	32	14	4	3	3	16	13	13	11	7	4	13	37	16	8	194	
DENMARK	6	2	4	2	1	2	13	3	1	3	4	3	11	16	27	98	
JAPAN	5	1			2		3	12	7	2	11	8	9	13	9	82	
ISRAEL	1			1			2		2		7	21	14	21	7	76	
NEW ZEALAND	10	3	1	6	1	2	3	8	2	4	7	7	6	4	2	66	
COSTA RICA	12			11	6	2	1			3		4	4	6	5	54	
AUSTRALIA	1					1	7	10	3	9	2	3	2	3	7	48	
CANADA	7	1			1	3		4	6	1	8	5	2	7		45	
ITALY			2	2	5	1	4	2	9		2	2	1	1	2	33	
BELGIUM					3	2	5	1		2	2	2	10	3	2	32	
AUSTRIA						15	1						1			17	
SWITZERLAND	5		5			1		2								13	
SPAIN								2			2		3		2	9	
SWEDEN	2		1		1					1		1			1	7	
COLOMBIA	3							1	1				1	1		7	
ARGENTINA					1								1			2	
TAIWAN	1												1			2	
IRELAND													1	1		2	
S. AFRICA						1										1	
LEBANON										1						1	
NORWAY	1															1	
HONDURAS													1			1	
Ownership:																	
U.S. Corporations	551	132	135	104	125	120	197	308	144	188	164	232	250	200	163	3013	
U.S. Government										1						1	
U.S. Individuals	314	48	53	65	63	43	98	119	57	75	60	61	82	59	55	1252	
Foreign Corporations	51	5	19	61	26	43	96	89	75	44	74	104	150	104	116	1057	
Foreign Government								2	1	1	8	5	2	5		24	
Foreign Individuals	47	12	5	12	10	23	34	69	41	44	15	40	15	19	28	414	

		Datonta	Granted	Dr. Do	to Of	Datont	Crant /	Crantod	Tan 01	1967 -	Dog 21	1006)					
		racents	Granteu	Бу Ба	ice or	racent	Granc (Granceu.	Uaii Ui,	1907 -	Dec 31,	1990)					
							PE	ERCENT OF	PATENTS								
	Pre 1983	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	Total	
Total	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
U.S. Origin	77	71	76	59	67	57	61	59	48	67	61	53	57	52	51	62	
Foreign Origin	23	29	24	41	33	43	39	41	52	33	39	47	43	48	49	38	
GERMANY	9	12	15	10	8	11	6	17	16	11	5	12	6	11	13	11	
NETHERLANDS	3	3	1	11	8	9	13	10	12	7	14	14	13	9	11	9	
FRANCE	2	4		9	7	3	8	4	11	6	4	5	3	4	5	5	
UNITED KINGDOM	3	7	2	1	1	7	3	2	3	2	1	3	7	4	2	3	
DENMARK	1	1	2	1		1	3	1		1	1	1	2	4	7	2	
JAPAN	1	1			1		1	2	2	1	3	2	2	3	2	1	
ISRAEL									1		2	5	3	5	2	1	
NEW ZEALAND	1	2		2		1	1	1	1	1	2	2	1	1	1	1	
COSTA RICA	1			5	3	1				1		1	1	2	1	1	
AUSTRALIA							2	2	1	3	1	1		1	2	1	
CANADA	1	1				1		1	2		2	1		2		1	
ITALY			1	1	2		1		3		1				1	1	
BELGIUM					1	1	1			1	1		2	1	1	1	
AUSTRIA						7										0	
SWITZERLAND	1		2													0	
SPAIN											1		1		1	0	
SWEDEN																0	
COLOMBIA																0	
ARGENTINA																0	
TAIWAN																0	
IRELAND																0	
S. AFRICA																0	
LEBANON																0	
NORWAY																0	
HONDURAS																0	
Ownership:																	
U.S. Corporations	57	67	64	43	56	52	46	52	45	53	51	52	50	52	45	52	
U.S. Government																0	
U.S. Individuals	33	24	25	27	28	19	23	20	18	21	19	14	16	15	15	22	
Foreign Corporations	5	3	9	25	12	19	23	15	24	12	23	24	30	27	32	18	
Foreign Government											2	1		1		0	
Foreign Individuals	5	6	2	5	4	10	8	12	13	12	5	9	3	5	8	7	

Part A2 Patent Grants As Distributed By Year of Patent Application

	Pat	ents Gr	anted B	y Date	Of Pat	ent App	lication	(Grant	ed: Jan	01, 1967	- Dec 3	1, 1996)				
							THE C			G1 III C 11 G						
		1002	1004	1005	1006			F PATENT			1000	1002	1004	1005	1006	1
	Pre 1983	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	Total
Total	1308	301	242	263	304	422	360	363	410	399	313	340	419	304	13	5761
U.S. Origin	1002	182	153	163	184	241	224	195	251	212	179	214	218	141	4	3563
Foreign Origin	306	119	89	100	120	181	136	168	159	187	134	126	201	163	9	2198
GERMANY	117	37	25	25	15	66	56	53	45	35	26	25	46	42	2	615
NETHERLANDS	36	28	19	22	38	60	19	40	40	74	28	41	36	36	4	521
FRANCE	31	23	17	7	30	12	17	37	22	12	19	13	14	17		271
UNITED KINGDOM	50	3	5	16	9	8	12	10	13	7	16	14	22	9		194
DENMARK	11	3	1	2	12	1	4	2	2	6		8	19	24	3	98
JAPAN	6		2		3	7	8	4	12	4	11	2	12	11		82
ISRAEL	1	1			2		2		1	29	5	7	25	3		76
NEW ZEALAND	13	7	2	2	3	5	2	5	6	8	6	1	5	1		66
COSTA RICA	12	14	4	1	1				3		5	1	5	8		54
AUSTRALIA	1		1		2	14	2	8	4	2	2	2	4	6		48
CANADA	8		2	2		3	6	2	4	6	5	1	6			45
ITALY	2	2	5	3	2		7	4	1	3	1		1	2		33
BELGIUM			4	3	3	1			4		5	8	2	2		32
AUSTRIA				16								1				17
SWITZERLAND	10			1		2										13
SPAIN						2			2		3			2		9
SWEDEN	3		1					1		1			1			7
COLOMBIA	3						1	1			1		1			7
ARGENTINA			1									1				2
TAIWAN	1										1					2
IRELAND												1	1			2
NORWAY	1															1
LEBANON								1								1
S. AFRICA		1														1
HONDURAS													1			1
Ownership:																
U.S. Corporations	779	145	130	133	144	215	184	178	205	184	182	184	211	130	9	3013
U.S. Government								1								1
U.S. Individuals	399	78	61	62	68	82	76	61	82	58	48	59	63	51	4	1252
Foreign Corporations	65	65	40	44	71	81	52	81	71	114	66	88	122	97		1057
Foreign Government						2		1	2	11	3	1	4			24
Foreign Individuals	65	13	11	24	21	42	48	41	50	32	14	8	19	26		414

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	Pat	ents Gr	ranted B	у рате	OI Pat	ent App	lication	(Grant	ea: Jan	01, 1967	- Dec 3	1, 1996)					
						P	ERCENT C	F PATENT	ED APPLI	CATIONS							
	Pre 1983	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	Total	
Total	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
U.S. Origin	77	60	63	62	61	57	62	54	61	53	57	63	52	46	31	62	
Foreign Origin	23	40	37	38	39	43	38	46	39	47	43	37	48	54	69	38	
GERMANY	9	12	10	10	5	16	16	15	11	9	8	7	11	14	15	11	
NETHERLANDS	3	9	8	8	13	14	5	11	10	19	9	12	9	12	31	9	
FRANCE	2	8	7	3	10	3	5	10	5	3	6	4	3	6		5	
UNITED KINGDOM	4	1	2	6	3	2	3	3	3	2	5	4	5	3		3	
DENMARK	1	1		1	4		1	1		2		2	5	8	23	2	
JAPAN			1		1	2	2	1	3	1	4	1	3	4		1	
ISRAEL					1		1			7	2	2	6	1		1	
NEW ZEALAND	1	2	1	1	1	1	1	1	1	2	2		1			1	
COSTA RICA	1	5	2						1		2		1	3		1	
AUSTRALIA					1	3	1	2	1	1	1	1	1	2		1	
CANADA	1		1	1		1	2	1	1	2	2		1			1	
ITALY		1	2	1	1		2	1		1				1		1	
BELGIUM			2	1	1				1		2	2		1		1	
AUSTRIA				6												0	
SWITZERLAND	1															0	
SPAIN											1			1		0	
SWEDEN																0	
COLOMBIA																0	
ARGENTINA																0	
TAIWAN																0	
IRELAND																0	
NORWAY																0	
LEBANON																0	
S. AFRICA																0	
HONDURAS																0	
0																	
Ownership:	60	40	54	51	47	E 1	E 1	40	ΕO	46	58	E /	50	43	69	E 2	
U.S. Corporations U.S. Government	60	48	54	21	4 /	51	51	49	50	40	20	54	50	43	69	52 0	
U.S. Individuals	31	26	25	24	22	19	21	17	20	15	15	17	15	17	31	22	
															21		
Foreign Corporations	5	22	17	17	23	19	14	22	17	29	21	26	29	32		18	
Foreign Government										3	1		1			0	
Foreign Individuals	5	4	5	9	7	10	13	11	12	8	4	2	5	9		7	

Part B

Ranked Listing of Organizations with Patent Grants
As Distributed By Year of Patent Grant
and As Distributed By Year of Patent Application

Organizational Patenting			(Gra	inted: Ja	n 01, 19	969 - Dec	: 31, 199	6)	Ranked	List of	Organiz	ations w	with 3	or More	Patents		
	Pre																
	1983	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	TOTAL	
YODER BROTHERS, INC.																	
Patents By Year of Grant:	65	11	18	17	17	9	21	45	14	47	18	38	53 29	22	29 0	424	
Patents By Year of Application:	87	20	22	8	14	21	32	45	28	35	24	43	29	16	U	424	
CONARD-PYLE COMPANY																	
Patents By Year of Grant:	24	11	10	5	6	6	13	14	21	12	9	24	13	10	16	194	
Patents By Year of Application:	45	3	11	5	10	7	11	18	17	11	18	12	10	16	0	194	
BEAR CREEK GARDENS, INC.																	
Patents By Year of Grant:	0	0	0	0	0	0	0	9	2	15	14	13	61	29	17	160	
Patents By Year of Application:	0	0	0	0	0	9	2	0	27	14	26	30	35	12	5	160	
JACKSON & PERKINS CO.																	
Patents By Year of Grant:	45	16	10	7	21	13	13	21	10	1	0	0	0	0	0	157	
Patents By Year of Application:	69	10	19	11	17	18	6	7	0	0	0	0	0	0	0	157	
MIKKELSENS, INC.																	
Patents By Year of Grant:	40	10	6	4	6	12	23	6	12	0	15	6	12	1	3	156	
Patents By Year of Application:	56	5	9	8	12	15	2	12	13	2	6	12	1	3	0	156	
PAN AMERICAN PLANT COMPANY																	
Patents By Year of Grant:	60	20	9	19	8	0	0	0	0	0	0	0	0	0	0	116	
Patents By Year of Application:	89	21	6	0	0	0	0	0	0	0	0	0	0	0	0	116	
racenes by rear or appricacion.	0,5	21	O	O	O	O	O	O	0	0	0	U	0	O	O	110	
NOR'EAST MINIATURE ROSES, INC.																	
Patents By Year of Grant:	15	13	0	8	3	9	2	17	1	5	5	7	4	1	6	96	
Patents By Year of Application:	28	8	4	8	2	11	7	4	5	5	4	3	7	0	0	96	
PAUL ECKE RANCH, INC.																	
Patents By Year of Grant:	9	0	0	0	0	0	0	0	14	7	11	25	12	16	1	95	
Patents By Year of Application:	9	0	0	0	0	0	11	6	15	8	18	11	16	1	0	95	
MELRIDGE, INC.																	
Patents By Year of Grant:	13	4	0	0	1 21	19	26 0	20	0	0	0	0	0	0	0	83 83	
Patents By Year of Application:	17	U	2	18	21	25	U	U	U	U	0	U	U	U	0	83	
DEVOR NURSERIES, INC.																	
Patents By Year of Grant:	3	0	2	0	0	2	0	4	0	16	18	5	4	10	13	77	
Patents By Year of Application:	4	1	0	2	0	3	1	7	18	9	6	5	9	8	4	77	
	=	=	,	_	,	-	=	•		-	-	,		_	-		
GESSELLSCHAFTSVERTRAG UBER DIE ERFIND	ERGEMEIN	SCHAFT "	OPTI														
Patents By Year of Grant:	30	1	2	17	5	0	6	16	0	0	0	0	0	0	0	77	
Patents By Year of Application:	34	8	13	0	6	16	0	0	0	0	0	0	0	0	0	77	

Organizational Patenting			(Gra	nted: Ja	ın 01, 19	69 - Dec	31, 199	6)	Ranked	l List of	Organiz	ations w	rith 3	or More	Patents	
	Pre	1000	1004	1005	1006	1000	1000	1000	1000	1001	1000	1000	1004	1005	1006	
	1983	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	TOTAL
FIDES BEHEER B.V.																
Patents By Year of Grant:	0	0	0	0	0	0	13	20	0	0	14	23	1	2	1	74
Patents By Year of Application:	0	0	0	0	13	18	2	0	4	31	2	1	2	1	0	74
UNIVERSITY OF CALIFORNIA, THE REGENTS	OF															
Patents By Year of Grant:	18	3	15	0	1	1	6	10	1	2	0	4	8	2	2	73
Patents By Year of Application:	30	6	1	3	3	11	1	0	2	3	1	8	2	2	0	73
TARONAROTE DE DANGEOLOGIE MIGRELLE D																
LABORATOIRE DE PHYSIOLOGIE VEGETALE DE Patents By Year of Grant:	E LA LOI 0	IDE	0	20	6	3	17	3	11	0	0	1	4	1	0	66
Patents By Year of Application:	0	20	7	20	18	2	8	3	0	1	4	0	1	U T	0	66
racenes by leaf of Application.	U	20	,	2	10	2	0	3	U	1	- 1	U	1	U	U	00
VAN STAAVEREN B.V.																
Patents By Year of Grant:	0	0	0	0	0	5	4	6	0	5	17	4	12	6	4	63
Patents By Year of Application:	0	0	0	5	3	7	0	0	22	4	2	10	6	4	0	63
GEORGE J. BALL, INC.																
Patents By Year of Grant:	6	0	0	1	0	0	0	0	0	3	0	13	4	12	22	61
Patents By Year of Application:	6	1	0	0	0	0	0	0	3	7	7	3	12	22	0	61
ARMSTRONG NURSERIES, INC.																
Patents By Year of Grant:	25	7	5	9	7	2	2	0	0	0	0	0	0	0	0	57
Patents By Year of Application:	37	9	7	4	0	0	0	0	0	0	0	0	0	0	0	57
11 11 1																
FLORFIS AG																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	6	3	0	8	15	14	11	57
Patents By Year of Application:	0	0	0	0	0	0	0	9	0	7	1	15	18	7	0	57
BALL PANAM PLANT COMPANY	0	0	0	0	_	1.0	0.1	10	0	0	0	0	0	0	0	5.6
Patents By Year of Grant: Patents By Year of Application:	0	0 2	0 5	0 20	6 10	19 19	21	10	0	0	0	0	0	0	0	56 56
racenes by leaf of Application.	U	2	3	20	10	19	U	U	U	U	U	U	U	U	U	30
DANZIGER - "DAN" FLOWER FARM																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	1	16	2	20	4	43
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	17	2	0	21	3	0	43
CHRYSANTHEMUM BREEDERS ASSOCIATION N.V																
Patents By Year of Grant:	2	0	0	1	1	13	11	2	0	0	0	2	9	0	0	41
Patents By Year of Application:	2	1	7	12	1	6	1	0	0	4	0	7	0	0	0	41
DAVID AUSTIN ROSES LIMITED																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	4	3	0	9	20	0	5	41
Patents By Year of Application:	0	0	0	0	0	0	4	3	9	0	11	5	4	5	0	41
		,		-	-	-	-	-	-	-		-	•	-		

Organizational Patenting			(Gra	nted: Ja	n 01, 19	69 - Dec	31, 199	6)	Ranked	List of	Organiz	ations w	ith 3	or More	Patents		
	Pre	1000	1004	1005	1006	1000	1000	1000	1000	1001	1000	1000	1004	1005	1006		
	1983	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	TOTAL	
GALLEGRALA GLODERA DELAMI GOVERNAL A D																	
CALIFORNIA FLORIDA PLANT COMPANY L.P.		0	0	0	0	0	0	0	0	2	0	0.1	0	_	0	2.7	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	3 9	8	21	0	5 0	0	37	
Patents By Year of Application:	0	0	0	U	U	0	Ü	0	10	9	12	1	5	0	0	37	
DE RUITER'S NIEUWE ROZEN B.V.								_		_				_			
Patents By Year of Grant:	0	0	0	0	0	0	4	1	1	7	0	3	6	5	9	36	
Patents By Year of Application:	0	0	0	0	4	0	1	6	2	3	6	1	2	11	0	36	
OGLEVEE ASSOCIATES, INC.																	
Patents By Year of Grant:	11	3	13	0	2	0	5	0	0	0	0	0	0	0	0	34	
Patents By Year of Application:	18	9	0	2	5	0	0	0	0	0	0	0	0	0	0	34	
STARK BROTHERS NURSERIES & ORCHARDS C																	
Patents By Year of Grant:	17	3	0	4	2	0	2	1	0	0	0	0	2	2	0	33	
Patents By Year of Application:	20	4	2	0	2	0	1	0	0	0	1	1	2	0	0	33	
SEQUOIA NURSERY																	
Patents By Year of Grant:	0	4	4	2	5	1	2	5	1	0	3	5	0	0	0	32	
Patents By Year of Application:	4	6	5	1	1	3	3	1	0	7	1	0	0	0	0	32	
BALL SEED CO., A DIVISION OF GEO. J.																	
Patents By Year of Grant:	0	0	0	0	0	0	0	16	0	3	3	1	2	6	0	31	
Patents By Year of Application:	0	0	0	0	0	7	9	0	6	0	1	0	5	3	0	31	
OGLEVEE LTD.																	
Patents By Year of Grant:	0	0	0	0	0	0	0	12	2	0	5	4	2	4	2	31	
Patents By Year of Application:	0	0	0	0	0	0	9	5	1	7	1	0	6	2	0	31	
RUTGERS UNIVERSITY																	
Patents By Year of Grant:	0	0	0	4	1	0	0	9	7	2	0	4	2	2	0	31	
Patents By Year of Application:	0	5	0	0	0	3	12	1	2	4	3	0	1	0	0	31	
KLEMM & SOHN																	
Patents By Year of Grant:	0	0	0	0	0	1	3	5	3	2	2	2	8	2	0	28	
Patents By Year of Application:	0	0	0	4	0	0	6	4	2	2	2	8	0	0	0	28	
TERRA NIGRA HOLDING B.V.		•				•		•		•	1.0		1.0	_	_	0.7	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	10	0	12	5	0	27	
Patents By Year of Application:	0	0	0	0	0	0	0	0	3	7	7	9	1	0	0	27	
MONDOVITA NUDCEDY: 22																	
MONROVIA NURSERY CO.		_	-			•	_	2		•					_	0.5	
Patents By Year of Grant:	2	5	3	0	2 1	2	3	3 0	1	0	1	0	2	0	2	26	
Patents By Year of Application:	10	0	3	3	Ţ	2	2	U	1	0	U	2	U	2	0	26	

Page B - 4

PLANT PATENTS, 1977 - 1996

14

Patents By Year of Application:

PLANT PATENTS, 1977 1990															rage	ь т	
Organizational Patenting			(Gra	nted: Ja	n 01, 19	69 - Dec	31, 199	6)	Ranked	List of	Organiz	ations w	ith 3	or More	Patents		
			, -				,				. 5.						
	Pre																
	1983	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	TOTAL	
WEEKS WHOLESALE ROSE GROWERS, INC.																	
Patents By Year of Grant:	0	0	0	0	0	0	0	3	0	1	2	3	0	10	7	26	
Patents By Year of Application:	0	0	0	0	0	1	2	0	1	3	2	2	8	7	0	26	
DDIGGOIL GEDAVIDEDDY AGGOGIANDS ING																	
DRISCOLL STRAWBERRY ASSOCIATES INC. Patents By Year of Grant:	9	2	2	0	1	0	2	1	2	1	0	0	3	1	0	24	
Patents By Year of Application:	11	2	0	1	2	0	3	1	0	0	0	3	1	0	0	24	
racenes by rear or appricacion.		-	Ü	-	_	Ü	3	-	Ü	· ·	Ü	5	-	Ü	Ü	21	
GEBR. VLETTER & J.A. DEN HAAN																	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	5	0	0	17	1	0	0	23	
Patents By Year of Application:	0	0	0	0	0	0	4	1	0	18	0	0	0	0	0	23	
GOLDSMITH SEEDS, INC.																	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	13	0	3	6	0	22	
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	13	0	3	5	1	0	22	
PURDUE RESEARCH FOUNDATION	1.0	1	0	1	0	0	1	0	0	0	0	0	0	2	0	0.1	
Patents By Year of Grant: Patents By Year of Application:	16 17	1 0	0 1	1 0	0 1	0	1 0	0	0	0	0	0 2	0	2	0	21 21	
racenes by rear or apprication.	17	U	Τ.	U	1	U	U	U	U	U	U	2	U	U	U	21	
DUMMEN JUNGPFLANZENKULTUREN																	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19	19	
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	0	0	0	0	19	0	19	
TWYFORD INTERNATIONAL, INC.																	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	0	7	3	8	18	
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	0	1	6	4	7	0	18	
SUN VALLEY BULB FARMS, INC.	4.4	0		0	0	0	0	0	0	0	0	0	0	0	0	1.77	
Patents By Year of Grant: Patents By Year of Application:	11 17	0	6 0	0	0	0	0	0	0	0	0	0	0	0	0	17 17	
racence by fear of Application.	17	U	U	U	U	U	U	U	U	U	U	U	U	U	U	1/	
SUPERIOR FARMING COMPANY																	
Patents By Year of Grant:	8	1	3	3	0	0	1	0	1	0	0	0	0	0	0	17	
Patents By Year of Application:	9	6	0	0	1	0	0	1	0	0	0	0	0	0	0	17	
B. L. COBIA, INC.																	
Patents By Year of Grant:	7	1	0	0	0	3	0	0	5	0	0	0	0	0	0	16	
Patents By Year of Application:	8	0	0	3	0	0	5	0	0	0	0	0	0	0	0	16	
B. V. HANDELSKWEKERIJ/M. C. VAN STAAV		-	1	1.4	0	0	^	0	^	0	0	^	0	0	^	1.0	
Patents By Year of Grant:	0	1	1	14	0	0	0	0	0	0	0	0	0	0	0	16	

Organizational Patenting			(Gra	nted: Ja	an 01, 19	969 - Dec	: 31, 199	6)	Ranked	List of	Organiz	ations w	with 3	or More	Patents		
	Pre																
	1983	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	TOTAL	
FISCHER GERANIUMS, INC.																	
Patents By Year of Grant:	0	0	0	0	1	14	0	0	0	0	0	0	0	0	0	15	
Patents By Year of Application:	0	0	1	14	0	0	0	0	0	0	0	0	0	0	0	15	
SAN JOAQUIN ROSE CO.																	
Patents By Year of Grant:	15 15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15 15	
Patents By Year of Application:	15	U	U	U	U	U	U	U	U	U	U	U	U	U	U	15	
SUNTORY LTD.																	
Patents By Year of Grant:	0	0	0	0	0	0	0	3	0	0	0	0	2	7	3	15	
Patents By Year of Application:	0	0	0	0	0	0	3	0	0	0	0	0	5	7	0	15	
radened by rear or approached	Ü	· ·	· ·	ŭ	ŭ	ŭ	3	· ·	Ü	· ·	· ·	Ü		•	· ·		
CORNELL RESEARCH FOUNDATION INC.																	
Patents By Year of Grant:	0	0	1	2	1	1	2	1	1	0	2	0	2	0	1	14	
Patents By Year of Application:	3	1	0	3	0	0	2	0	2	1	0	2	0	0	0	14	
O. M. SCOTT AND SONS COMPANY																	
Patents By Year of Grant:	3	0	0	0	0	0	3	5	0	0	1	1	0	1	0	14	
Patents By Year of Application:	3	0	0	0	3	3	2	0	1	0	1	1	0	0	0	14	
E. G. HILL CO., INC.																	
Patents By Year of Grant:	6	1	0	0	4	0	0	0	0	0	0	2	0	0	0	13	
Patents By Year of Application:	7	0	4	0	0	0	0	0	0	0	2	0	0	0	0	13	
ETS. GUILLOU FRERES																	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	7	2	0	0	Λ	2	2	13	
Patents By Year of Application:	0	0	0	0	0	0	0	7	2	0	0	0	2	2	0	13	
radened by rear or approached	Ü	· ·	· ·	ŭ	ŭ	ŭ	Ü	•	-	Ü	· ·	Ü	-	-	· ·		
PLANT COMPANY																	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	8	5	0	0	0	0	13	
Patents By Year of Application:	0	0	0	0	0	0	0	8	5	0	0	0	0	0	0	13	
RESEARCH CORPORATION TECHNOLOGIES, INC	· .																
Patents By Year of Grant:	0	0	0	0	0	0	0	1	4	6	0	1	0	1	0	13	
Patents By Year of Application:	0	0	0	0	0	1	0	10	0	1	0	0	0	1	0	13	
CARLTON ROSE NURSERIES, INC.	2	1	1	1	1	0	1	1	1	0	0	^	0	0	0	1.0	
Patents By Year of Grant:	3	1	1	1	1	0	1	1	1	0	2	0	0	0	0	12	
Patents By Year of Application:	5	1	U	1	1	U	Τ	Τ	2	U	U	U	U	U	U	12	
HILVERDA B.V.																	
Patents By Year of Grant:	0	0	0	3	1	0	0	0	4	4	0	0	0	0	0	12	
Patents By Year of Application:	0	3	1	0	0	0	0	8	0	0	0	0	0	0	0	12	
	-	_	-	,	-	,	-	-	-	-	-	,	,	-			

Organizational Patenting			(Gra	inted: Ja	an 01, 19	969 - Dec	31, 199	6)	Ranked	l List of	Organiz	ations w	ith 3	or More	Patents		
	Pre																
	1983	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	TOTAL	
ITO PACKING CO., INC.																	
Patents By Year of Grant:	0	0	0	0	0	0	1	2	4	0	2	1	0	1	1	12	
Patents By Year of Application:	0	0	0	0	1	2	3	1	2	1	0	0	1	1	0	12	
racenes by rear or approaction.	· ·	J	Ū	· ·	-	2	3	_	2	-	Ū	o o	-	-	O .	12	
SIRI BROTHERS NURSERY, INC.																	
Patents By Year of Grant:	0	0	8	0	1	1	1	1	0	0	0	0	0	0	0	12	
Patents By Year of Application:	8	0	4	0	0	0	0	0	0	0	0	0	0	0	0	12	
WIESMOOR-GARTNEREI UND BAUMSCHULE GME	BH																
Patents By Year of Grant:	0	0	3	0	0	4	0	5	0	0	0	0	0	0	0	12	
Patents By Year of Application:	0	3	0	4	0	4	1	0	0	0	0	0	0	0	0	12	
FRUIT TREE RESEARCH STATION, MINISTRY																	
Patents By Year of Grant:	0	0	0	0	0	0	0	3	0	1 2	0	3	1	2	1	11	
Patents By Year of Application:	0	0	0	0	0	3	0	0	1	2	2	0	2	1	0	11	
HARTMAN PLANT LABORATORIES, INC.																	
Patents By Year of Grant:	0	0	0	0	0	0	0	6	2	3	0	0	0	0	0	11	
Patents By Year of Application:	0	0	0	0	0	6	0	5	0	0	0	0	0	0	0	11	
racenes sy rear or approaches	· ·	Ū	Ü	ŭ	Ū	Ū	Ū		ŭ	· ·	· ·	· ·	· ·	ŭ	Ū		
INTER-PLANT PATENT MARKETING, INC.																	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	3	1	3	0	4	11	
Patents By Year of Application:	0	0	0	0	0	0	0	3	0	2	2	0	0	4	0	11	
IOWA STATE UNIVERSITY RESEARCH FOUNDA	ATION INC																
Patents By Year of Grant:	5	0	0	0	5	0	1	0	0	0	0	0	0	0	0	11	
Patents By Year of Application:	5	0	5	0	1	0	0	0	0	0	0	0	0	0	0	11	
JOSEPH H. HILL COMPANY		_					_					_					
Patents By Year of Grant:	6 7	1	1	0	0	0	1	1	0	0	0	1	0	0	0	11	
Patents By Year of Application:	/	1	U	U	1	1	U	U	U	1	U	U	U	U	U	11	
L. DAEHNFELDT A/S																	
Patents By Year of Grant:	0	0	0	0	0	1	7	1	0	0	0	0	0	0	2	11	
Patents By Year of Application:	0	0	0	1	7	0	1	0	0	0	0	0	0	2	0	11	
racenes sy rear or approaches	· ·	Ū	Ü	-	•	Ū	-	· ·	ŭ	· ·	· ·	· ·	· ·	_	Ū		
RESEARCH CORPORATION																	
Patents By Year of Grant:	0	2	1	0	2	0	6	0	0	0	0	0	0	0	0	11	
Patents By Year of Application:	3	0	2	0	6	0	0	0	0	0	0	0	0	0	0	11	
SELECTION NEW PLANT SARL																	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	11	
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	0	0	0	11	0	0	11	

Organizational Patenting			(Gra	nt.ed: Ja	n 01. 19	69 - Dec	31. 199	6)	Ranked	List of	Organiz	ations w	ith 3	or More	Patents		
organizational radending			(010	iicca ca	01, 1,	0, 200	31, 133	0 ,	riamino	2150 01	or juniz		1011 5	01 11010	1 4 0 0 11 0 0		
	Pre																
	1983	1000	1004	1005	1006	1007	1000	1000	1000	1001	1000	1002	1004	1005	1006	moma r	
	1983	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	TOTAL	
BAY CITY FLOWER COMPANY, INC.																	
Patents By Year of Grant:	0	0	0	0	0	0	1	0	1	1	1	0	1	0	5	10	
Patents By Year of Application:	0	0	0	0	1	0	0	2	0	1	1	0	1	4	0	10	
CEBECO LILIES, INC.																	
·	_				_	_			_		_		_				
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	1	0	1	8	0	10	
Patents By Year of Application:	0	0	0	0	0	0	0	0	1	0	1	0	8	0	0	10	
CHOPIN & WRIGHT NURSERY, LTD.																	
Patents By Year of Grant:	7	0	3	0	0	0	0	0	0	0	0	0	0	0	0	10	
Patents By Year of Application:	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	
Patents By Tear Of Application.	10	U	U	U	U	U	U	U	U	U	U	U	U	U	U	10	
H. P. METZLER & SONS, INC.																	
Patents By Year of Grant:	0	4	1	0	0	5	0	0	0	0	0	0	0	0	0	10	
Patents By Year of Application:	4	1	0	5	0	0	0	0	0	0	0	0	0	0	0	10	
HOFFGAARDE B.V.																	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	2	0	0	0	1	7	0	10	
										-			8				
Patents By Year of Application:	0	0	0	0	0	0	0	2	0	0	0	0	8	0	0	10	
J. FRANK SCHMIDT & SON CO.																	
Patents By Year of Grant:	0	0	0	0	1	0	1	0	1	4	0	1	0	2	0	10	
Patents By Year of Application:	0	0	1	1	0	0	1	2	2	0	1	0	2	0	0	10	
, , , , , , , , , , , , , , , , , , ,																	
PLANT SCIENCES, INC.																	
·						•					-				-	1.0	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	4	1	2	2	0	1	10	
Patents By Year of Application:	0	0	0	0	0	0	0	4	2	1	2	0	0	1	0	10	
CORN. BAK B.V.																	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	3	0	2	3	0	1	9	
Patents By Year of Application:	0	0	0	0	0	0	0	1	2	1	1	2	2	0	0	9	
DENHOLM SEEDS, INC.																	
•	0	0	0	0	0	4	0	2	0	-	1	0	0	0	0	0	
Patents By Year of Grant:	0		0	0	0	4	0	3	0	1		0	0		0	9	
Patents By Year of Application:	0	0	0	4	0	3	0	0	1	1	0	0	0	0	0	9	
GOLDSTOCK BREEDING LIMITED																	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	0	5	4	0	9	
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	0	3	2	4	0	0	9	
2 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	-	-	-	-	-	-	-	-	-	-	-	_	-	-	-	-	
MITSUWA NURSERY, INC.																	
	0	0	0	0	2	0	0	1	1	2	0	1	0	0	0	0	
Patents By Year of Grant:	0	0	0	0	3	0	0	1	1	3	0	1	0	0	0	9	
Patents By Year of Application:	0	0	0	3	0	0	1	3	1	1	0	0	0	0	0	9	

															_		
Organizational Patenting			(Gra	nted: Ja	n 01, 19	69 - Dec	31, 199	6)	Ranked	List of	Organiz	ations w	ith 3	or More	Patents		
	Pre																
	1983	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	TOTAL	
NATIVE PLANTS, INC.	0	0	0	0	0	0	0	0	0	7	2	0	0	0	0	0	
Patents By Year of Grant: Patents By Year of Application:	0	0	0	0	0	0	0	0	0 9	0	2	0	0	0	0	9 9	
racents by fear of Application:	U	U	U	U	U	U	U	U	9	U	U	U	U	U	U	9	
SUNSHINE FOLIAGE WORLD																	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	0	3	4	2	9	
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	0	0	3	4	2	0	9	
TWYFORD PLANT LABORATORIES, INC.																	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	8	1	0	0	0	0	0	9	
Patents By Year of Application:	0	0	0	0	0	0	0	9	0	0	0	0	0	0	0	9	
WEYERHAEUSER COMPANY						_											
Patents By Year of Grant:	0	0	1	0	2	0	1	4	1	0	0	0	0	0	0	9	
Patents By Year of Application:	1	2	0	1	0	1	4	0	0	0	0	Ü	0	0	0	9	
BLOOMS OF BRESSINGHAM LTD.																	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	1	1	0	2	3	1	0	8	
Patents By Year of Application:	0	0	0	0	0	0	0	2	0	2	0	3	1	0	0	8	
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1																	
CO-OPERATIVE ROSE GROWERS, INC.																	
Patents By Year of Grant:	0	0	0	0	1	1	0	3	1	0	2	0	0	0	0	8	
Patents By Year of Application:	0	0	2	0	0	2	1	1	0	2	0	0	0	0	0	8	
COLORADO STATE UNIVERSITY RESEARCH FO			_	_					_	_		_			_		
Patents By Year of Grant:	0	0	0	0	0	0	0	8	0	0	0	0	0	0	0	8	
Patents By Year of Application:	0	0	0	0	0	8	U	0	0	0	0	0	0	U	0	8	
ENTHOVEN BREEDING B.V.																	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	0	0	8	0	8	
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	0	0	0	8	0	0	8	
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1																	
FIDES, HANDELSKWEKERIJ																	
Patents By Year of Grant:	0	0	0	0	0	0	8	0	0	0	0	0	0	0	0	8	
Patents By Year of Application:	0	0	0	0	8	0	0	0	0	0	0	0	0	0	0	8	
FLORIDA FOUNDATION SEED PRODUCERS, INC			•							_		_					
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0 2	0 3	2	4	2	8	
Patents By Year of Application:	0	0	0	0	0	U	0	0	0	0	2	3	3	U	0	8	
NEW PLANTS																	
Patents By Year of Grant:	0	0	0	0	0	0	1	3	4	0	0	0	0	0	0	8	
racenes by rear or draine.	0	0	0	0	-	0	_	2	-	0	0	0	0	0	0	0	

Patents By Year of Application:

Organizational Patenting			(Gra	nted: Ja	n 01, 19	969 - Dec	31, 199	6)	Ranked	List of	Organiz	ations w	ith 3	or More	Patents		
Pr	re																
	983	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	TOTAL	
PELARGONIEN-FISCHER KG																	
Patents By Year of Grant:	0	0	8	0	0	0	0	0	0	0	0	0	0	0	0	8	
Patents By Year of Application:	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	8	
UNIVERSITY OF MINNESOTA, THE REGENTS OF																	
Patents By Year of Grant:	1	1	0	0	0	0	0	1	3	0	1	1	0	0	0	8	
Patents By Year of Application:	2	0	0	0	0	0	4	0	1	1	0	0	0	0	0	8	
BALL FLORAPLANT																	
Patents By Year of Grant:	0	0	0	0	Ω	0	0	0	0	0	0	5	2	0	0	7	
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	0	7	0	0	0	0	7	
racenes by rear or apprication.	Ü	Ü	Ü	Ü	Ü	· ·	Ü	Ü	o o	Ü	,	o o	o o	· ·	Ü	,	
CLEARWATER NURSERY, INC.																	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	0	2	2	3	7	
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	0	1	1	2	3	0	7	
GROOT ASSOCIATES II																	
Patents By Year of Grant:	0	0	0	0	0	0	0	7	0	0	0	0	0	0	0	7	
Patents By Year of Application:	0	0	0	0	0	7	0	0	0	0	0	0	0	0	0	7	
HER MAJESTY THE QUEEN IN RIGHT OF CANADA,					TER OF F			•	•	•	•	•		_	•		
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	2	0	0	5	0	-7	
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	2	0	1	4	0	0	7	
L. DAEHNFELDT LTD.																	
Patents By Year of Grant:	0	1	3	2	0	0	0	0	0	0	1	0	0	0	0	7	
Patents By Year of Application:	4	2	0	0	0	0	0	0	1	0	0	0	0	0	0	7	
racenes by rear or approacion	-	-	· ·	ŭ	Ü	ŭ	ŭ	Ü	-	· ·	· ·	· ·	ŭ	ŭ	Ü	•	
OGLESBY PLANT LABORATORIES, INC.																	
Patents By Year of Grant:	0	0	0	0	0	0	0	1	0	1	0	2	2	0	1	7	
Patents By Year of Application:	0	0	0	0	0	0	1	0	1	2	0	2	0	1	0	7	
PLANTAS DE NAVARRA S.A.																	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	2	0	3	0	2	7	
Patents By Year of Application:	0	0	0	0	0	0	0	0	2	0	3	0	0	2	0	7	
REEDLEY NURSERY, INC.	-	•	•		•	•		•	•	•	•	•		•	•		
Patents By Year of Grant:	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	
Patents By Year of Application:	7	0	0	0	0	0	0	U	0	0	0	0	0	0	0	7	
STATE OF ISRAEL, MINISTRY OF AGRICULTURE,	י אור	VOT.CANT	CENTER														
Patents By Year of Grant:	0	OLCANI	0	0	0	0	0	0	0	0	4	0	3	0	0	7	
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	4	3	0	0	0	0	7	
	-	Ŭ	ŭ	·	•	•	•	ŭ	ŭ	-	-	ŭ	•	Ü	•	•	

Organizational Patenting			(Gra	nted: Ja	ın 01, 19	69 - Dec	31, 199	б)	Ranked	l List of	Organiz	ations w	ith 3	or More	Patents	
	Pre															
	1983	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	TOTAL
STEWART ORCHIDS												_				_
Patents By Year of Grant:	0	0	0	0	0 1	0 1	1	3 1	2	0 1	0	1 0	0	0	0	7 7
Patents By Year of Application:	U	U	U	U	1	1	3	1	U	1	U	U	U	U	U	/
SUN WORLD, INC.																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	3	0	4	0	0	0	7
Patents By Year of Application:	0	0	0	0	0	0	0	0	3	2	2	0	0	0	0	7
TREESEARCH		•			•			•	•		•	•	•	•		-
Patents By Year of Grant:	4	0	0 2	1	2	0	0	0	0	0	0	0	0	0	0	7 7
Patents By Year of Application:	4	1	2	U	U	U	U	U	U	U	U	U	U	U	U	/
UNIVERSITY OF ARKANSAS																
Patents By Year of Grant:	0	0	0	0	0	0	0	3	0	0	0	4	0	0	0	7
Patents By Year of Application:	0	0	0	0	0	3	0	0	0	0	4	0	0	0	0	7
UNIVERSITY OF ILLINOIS																
Patents By Year of Grant:	0	0	2	2	2	0	0	0	0	0	0	1	0	0	0	7
Patents By Year of Application:	0	4	2	0	0	0	0	0	0	1	0	0	0	0	0	7
WASHINGTON STATE UNIVERSITY RESEARCH	FOIMDATT	ON THE														
Patents By Year of Grant:	0	0 0	0	0	0	0	0	3	0	0	2	0	1	1	0	7
Patents By Year of Application:	0	0	0	0	0	0	3	0	0	2	1	0	1	0	0	7
AGROPLANT-SELECT BV																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	6
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	0	0	6	0	0	0	6
ESTABLISSEMENTS BARBERAT ET BLANC, LA	N DOD A TO T D	עוות שת ש	CTOLOCT													
Patents By Year of Grant:	ABORATOIR 0	n DE PHI	0	0	0	0	0	2	4	0	0	0	0	0	0	6
Patents By Year of Application:	0	0	0	0	0	0	2	4	0	0	0	0	0	0	0	6
1																
HILLTOP ORCHARDS & NURSERIES, INC.																
Patents By Year of Grant:	3	2	1	0	0	0	0	0	0	0	0	0	0	0	0	6
Patents By Year of Application:	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
VIEUM DOVE DADTMEDCUID																
KLEHM BOYS PARTNERSHIP Patents By Year of Grant:	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Patents By Year of Application:	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
	-	-	-	-		-	-	-	-	-	-	-	,	-	-	-
METZLER INVESTMENTS																
Patents By Year of Grant:	0	0	0	0	0	1	1	4	0	0	0	0	0	0	0	6
Patents By Year of Application:	0	0	0	1	1	0	4	0	0	0	0	0	0	0	0	6

Organizational Patenting			(Gra	nted: Ja	n 01, 19	69 - Dec	31, 199	б)	Ranked	List of	Organiz	ations w	ith 3	or More	Patents		
	Pre 1983	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	TOTAL	
	1983	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	TOTAL	
NATIONAL SEED DEVELOPMENT ORGANISATIO	N TIMITE	D															
Patents By Year of Grant:	3	1	0	0	1	0	0	1	0	0	0	0	0	0	0	6	
Patents By Year of Application:	4	0	1	0	0	1	0	0	0	0	0	0	0	0	0	6	
racenes by rear or approaction.		· ·	-	· ·	· ·	*	· ·	•	Ü	Ü	0	· ·	Ů.	0	· ·	· ·	
ROSES BY FRED EDMUNDS, INC.																	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	1	2	3	0	0	0	6	
Patents By Year of Application:	0	0	0	0	0	0	0	0	1	3	2	0	0	0	0	6	
ADAMS COUNTY NURSERY, INC.																	
Patents By Year of Grant:	0	0	0	0	0	0	1	4	0	0	0	0	0	0	0	5	
Patents By Year of Application:	0	0	0	0	1	0	4	0	0	0	0	0	0	0	0	5	
BAILEY NURSERIES, INC.																	
Patents By Year of Grant:	2	0	0	0	0	0	0	1	0	0	0	1	1	0	0	5	
Patents By Year of Application:	2	0	0	0	0	0	1	0	0	1	1	0	0	0	0	5	
BIOTECH PLANTS PTY. LTD.																	
Patents By Year of Grant:	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	5	
Patents By Year of Application:	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	5	
BODGER SEEDS, LTD.																	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	4	0	0	1	0	0	0	5	
Patents By Year of Application:	0	0	0	0	0	0	0	4	0	0	1	0	0	0	0	5	
BURCHELL NURSERY, INC.																	
Patents By Year of Grant:	4	0	0	0	0	1	0	0	0	0	0	0	0	0	0	5	
Patents By Year of Application:	4	0	0	1	0	0	0	0	0	0	0	0	0	0	0	5	
CARLTON NURSERY COMPANY, INC.																	
Patents By Year of Grant:	1	0	0	4	0	0	0	0	0	0	0	0	0	0	0	5	
Patents By Year of Application:	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0	5	
racenes by rear or Appricacion.	1		0	U	U	U	U	U	U	U	U	U	U	U	U	,	
CHAS. KLEHM & SON																	
Patents By Year of Grant:	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	5	
Patents By Year of Application:	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	5	
		-	•	-	-	-		•	-	-				-	-		
ETABLISSEMENTS BARBERET ET BLANC																	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	5	
Patents By Year of Application:	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	5	
1 11 111																	
FLOWERWOOD NURSERY INC.																	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	1	1	3	0	5	
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	0	1	1	1	2	0	5	

Organizational Patenting			(Gra	nted: Ja	n 01, 19	69 - Dec	31, 199	6)	Ranked	l List of	Organiz	ations w	ith 3	or More	Patents		
j j																	
	Pre																
	1983	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	TOTAL	
FRAMPTONS NURSERIES LIMITED																_	
Patents By Year of Grant:	1	1	0	0	0	0	0	0	3	0	0	0	0	0	0	5	
Patents By Year of Application:	2	0	0	0	0	0	3	0	0	0	0	0	0	0	0	5	
HINES NURSERIES INC.																	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	3	0	0	1	1	0	5	
Patents By Year of Application:	0	0	0	0	0	0	0	3	0	0	1	0	1	0	0	5	
racenes by rear or apprication.	U	U	U	U	U	U	U	3	U	U	1	U	1	U	U	3	
HOKUETSU NOHJI CO., LTD.																	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	5	
Patents By Year of Application:	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	5	
KENT'S BROMELIAD NURSERY, INC.																	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	0	0	2	3	5	
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	0	0	2	3	0	0	5	
M. LEK EN ZONEN, B.V.																	
Patents By Year of Grant:	0	0	0	3	0	0	0	0	0	0	0	0	0	0	2	5	
Patents By Year of Application:	0	3	0	0	0	0	0	0	0	0	0	0	0	2	0	5	
MT. HOOD LILIES, INC.																	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	5	
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	0	0	4	1	0	0	5	
OREGON BULB FARMS, INC.																	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	3	2	0	0	0	0	5	
Patents By Year of Application:	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	5	
ROYAL SLUIS B.V.								_								_	
Patents By Year of Grant:	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	5	
Patents By Year of Application:	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	5	
SWEETBRIAR DEVELOPMENT INC.																	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	2	0	0	1	2	5	
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	2	0	0	1	2	0	5	
racenes by rear or apprication.	O	O	O	0	0	U	O	O	O	2	O	U	_	2	O	3	
UNIVERSITY OF FLORIDA BOARD OF REGENT	rs																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	1	2	1	1	0	0	5	
Patents By Year of Application:	0	0	0	0	0	0	0	1	1	1	2	0	0	0	0	5	
	-	-	-	-	=	-	-	=	=	-	=	-	-	-	,	=	
UNIVERSITY OF TENNESSEE RESEARCH CORE	PORATION																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	5	
Patents By Year of Application:	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	5	

Organizational Patenting			(Gra	nted: Ja	n 01, 19	969 - Dec	31, 199	6)	Ranked	List of	Organiz	ations w	rith 3	or More	Patents		
	Pre																
	1983	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	TOTAL	
YOVAL AGRICULTURAL PRODUCTS LTD.																	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	1	1	0	3	5	
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	2	0	0	3	0	0	5	
CALIFORNIA PLANT COMPANY																	
Patents By Year of Grant:	0	0	0	0	0	0	0	3	1	0	0	0	0	0	0	4	
Patents By Year of Application:	0	0	0	0	0	3	0	1	0	0	0	0	0	0	0	4	
COLUMBIA & OKANOGAN NURSERY, INC.																	
Patents By Year of Grant:	1	0	0	0	0	0	1	0	1	0	0	0	0	0	1	4	
Patents By Year of Application:	1	0	0	1	0	0	0	1	0	0	0	0	0	1	0	4	
DENVER WHOLESALE FLORISTS COMPANY																	
Patents By Year of Grant:	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	
Patents By Year of Application:	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	
DURA FLOR S.A.																	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	4	
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	4	
GEO. W. PARK SEED CO., INC.																	
Patents By Year of Grant:	0	0	0	0	0	1	0	3	0	0	0	0	0	0	0	4	
Patents By Year of Application:	0	0	0	1	0	3	0	0	0	0	0	0	0	0	0	4	
GEORGES DELBARD SOCIETE CIVILE AGRICOLE																	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	
Patents By Year of Application:	U	U	U	U	U	U	U	U	4	U	U	U	U	U	U	4	
GOLDEN STATE BULB GROWERS																	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	2	0	2	0	0	0	4	
Patents By Year of Application:	0	0	0	0	0	0	0	0	2	0	2	0	0	0	0	4	
H. DE MEYER - DE ROUCK B.V.B.A.																	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	4	
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	0	1	3	0	0	0	4	
J & L PLANTS INC.																	
Patents By Year of Grant:	3	0	0	0	0	0	0	0	1	0	0	0	0	0	0	4	
Patents By Year of Application:	3	0	0	0	0	0	1	0	0	0	0	0	0	0	0	4	
JOLLY'S ROSEHILL FARM OF KENT, INC.																	
Patents By Year of Grant:	0	0	0	2	2	0	0	0	0	0	0	0	0	0	0	4	
Patents By Year of Application:	0	2	1	1	0	0	0	0	0	0	0	0	0	0	0	4	

Organizational Patenting			(Gra	nted: Ja	n 01, 19	69 - Dec	31, 199	6)	Ranked	l List of	Organiz	ations w	ith 3	or More	Patents		
	Pre	1002	1004	1005	1006	1005	1000	1000	1000	1001	1000	1002	1004	1005	1006	moma r	
	1983	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	TOTAL	
KENT INCORPORATED SOCIETY FOR PROMO	TING EXPER	RIMENTS T	N HORTT														
Patents By Year of Grant:	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	4	
Patents By Year of Application:	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	4	
KNUD JEPSEN A/S																	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	4	
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	4	
KWEKERIJ DE AMSTEL, B.V.																	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	0	3	1	0	4	
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	0	1	2	1	0	0	4	
raddieb 27 rear or imprireación	J	Ū	· ·		ŭ	Ū	Ū	ŭ	· ·	· ·	-	_	-	· ·	· ·	•	
MIDDELBURG B.V.																	
Patents By Year of Grant:	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	
Patents By Year of Application:	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	
N.V. JO NICOLAI & CO.																	
Patents By Year of Grant:	0	0	0	0	3	0	0	0	0	0	0	0	1	0	0	4	
Patents By Year of Application:	0	0	3	0	Ü	0	0	0	0	0	0	1	0	0	0	4	
NAKAJIMA TENKOEN CO., LTD.																	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	4	
Patents By Year of Application:	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	4	
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1																	
NURSERYMEN'S EXCHANGE																	
Patents By Year of Grant:	0	0	1	0	0	1	2	0	0	0	0	0	0	0	0	4	
Patents By Year of Application:	0	1	0	1	2	0	0	0	0	0	0	0	0	0	0	4	
ORNAMENTAL NATIVE AUSTRALIAN PLANTS		0	0	0	0	0	0	0	0	4	0	0	0	0	0	4	
Patents By Year of Grant: Patents By Year of Application:	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	4	
racenes by rear or apprication.	0	U	U	U	U	U	U	7	U	U	U	U	U	U	U	7	
SALT WEEDS																	
Patents By Year of Grant:	0	0	0	0	0	0	3	0	0	0	0	0	1	0	0	4	
Patents By Year of Application:	0	0	0	0	3	0	0	0	0	1	0	0	0	0	0	4	
UNIVERSITY OF CONNECTICUT																	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	0	0	3	1	4	
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	4	
VAN RIJN PLANTS																	
VAN RIJN PLANTS Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	4	
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	4	
raccinco Di rear or imprireactori.	U	9	J		U	U	U		U	9	9	J	J	-	0		

Organizational Patenting	(Granted: Jan 01, 1969 - Dec 31, 1996) Ranked List of Organizations with 3 or More Pater														Patents	
	Pre 1983	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	TOTAL
CASA FLORA, INC.																
Patents By Year of Grant:	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	3
Patents By Year of Application:	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0	3
CLEANGRO, LTD.																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	0	2	1	0	0	0	3
D. G. GOLE GROWERS ING																
D. S. COLE GROWERS, INC. Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	3
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	3
racenes by rear or Appricacion.	U	U	U	U	U	U	U	U	U	U	U	U	۷	Τ.	U	3
DE VENNOOTSCHAP ONDER FIRMA GEBR, VLE	ETTER & J	.A. DEN	HAAN													
Patents By Year of Grant:	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	3
Patents By Year of Application:	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	3
DUGAN NURSERIES INCORPORATED																
Patents By Year of Grant:	1	0	0	0	0	0	2	0	0	0	0	0	0	0	0	3
Patents By Year of Application:	1	0	0	0	2	0	0	0	0	0	0	0	0	0	0	3
FRED A. STEWART INC.																
Patents By Year of Grant:	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Patents By Year of Application:	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
GUDNEN GEED AND MEDGEDY GODDODATION																
GURNEY SEED AND NURSERY CORPORATION Patents By Year of Grant:	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	3
Patents By Year of Grant. Patents By Year of Application:	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	3
ratenes by rear or apprication.	U	U	U	U	3	U	U	U	U	U	U	U	U	U	U	3
INTERPLANT B.V.																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	1	0	2	0	0	0	3
Patents By Year of Application:	0	0	0	0	0	0	0	1	0	1	1	0	0	0	0	3
JARDINES DE LOS ANDES LTDA.																
Patents By Year of Grant:	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Patents By Year of Application:	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
JOHN I. HAAS, INC.																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	3
I BO DEMINE BILO BE BILO DE MACULEO	T DCOTTE															
LES PETITE FILS ET FILS DE VACHEROT &			^	^	^	^	^	^	•	^	^	^	^	^	0	2
Patents By Year of Grant:	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3 3
Patents By Year of Application:	3	U	U	U	U	U	U	U	U	U	U	U	U	U	U	3

Organizational Patenting			(Gra	nted: Ja	n 01, 19	69 - Dec	31, 199	6)	Ranked	l List of	Organiz	ations w	ith 3	or More	Patents		
	Pre 1983	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	TOTAL	
MAFTECH NORTH, RUAKURA AGRICULTURAL	RESEARCH	CENTRE															
Patents By Year of Grant:	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	3	
Patents By Year of Application:	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	3	
MESSICK COMPANY																	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3	
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	3	
METROPOLITAN LIFE INSURANCE CO.																	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	2	0	0	1	0	3	
Patents By Year of Application:	0	0	0	0	0	0	0	0	2	0	0	0	1	0	0	3	
MILESTONE AGRICULTURE INC.																	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	3	
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3	
MIYOSHI & CO. LTD.																	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3	
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	3	
NPI																	
Patents By Year of Grant:	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	3	
Patents By Year of Application:	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	3	
SAKATA SEED AMERICA, INC.																	
Patents By Year of Grant:	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	3	
Patents By Year of Application:	0	0	0	0	0	2	1	0	0	0	0	0	0	0	0	3	
SELECTA KLEMM K.G.																	
Patents By Year of Grant:	0	0	0	0	0	0	0	1	1	0	0	1	0	0	0	3	
Patents By Year of Application:	0	0	0	0	0	1	1	0	0	1	0	0	0	0	0	3	
SIEBENTHALER COMPANY																	
Patents By Year of Grant:	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	
Patents By Year of Application:	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	
SOCIETE CIVILE AGRICOLE PEPINIERES I	ET ROSERAI	ES GEORG	ES DELBA	RD													
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	3	
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	3	
SWENSON-SMITH VINES, INC.																	
Patents By Year of Grant:	0	0	0	1	2	0	0	0	0	0	0	0	0	0	0	3	
Patents By Year of Application:	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	3	

Organizational Patenting			(Gra	nted: Ja	n 01, 19	69 - Dec	31, 199	6)	Ranked	l List of	Organiz	ations w	rith 3	or More	Patents		
	Pre																
	1983	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	TOTAL	
TERRA-NOVA NURSERIES, INC.																	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3	
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	3	
THE GUERNSEY CLEMATIS NURSERY LIMITED																	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	3	
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3	
UNIVERSITY OF ARKANSAS AGRICULTURAL EX	PERIMEN	r statio	N														
Patents By Year of Grant:	0	0	1	0	2	0	0	0	0	0	0	0	0	0	0	3	
Patents By Year of Application:	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	3	
WARREN'S TURF NURSERY, INC.																	
Patents By Year of Grant:	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	
Patents By Year of Application:	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	
WISCONSIN ALUMNI RESEARCH FOUNDATION																	
Patents By Year of Grant:	0	0	1	0	0	0	0	0	0	0	0	0	2	0	0	3	
Patents By Year of Application:	0	1	0	0	0	0	0	0	0	0	2	0	0	0	0	3	
WUELFINGHOFF FREESIA B.V.																	
Patents By Year of Grant:	0	٥	0	0	0	0	0	3	0	0	0	n	0	0	0	3	
Patents By Year of Application:	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	3	
racenes by rear or Apprication.	U	U	U	U	U	U	U	3	U	U	U	U	U	U	U	3	
Other Organizations (291)																	
Patents By Year of Grant:	62	4	8	8	12	7	33	29	25	23	19	33	40	29	24	356	
Patents By Year of Application:	73	11	12	12	20	24	22	30	22	34	22	26	30	18	0	356	